



William T. Edgar Geologist I/Engineering Technician

TRAINING

- 40-hour OSHA 29 CFR 1910.120 HAZWOPER Course (May 2011)

EDUCATION & PROFESSIONAL ASSOCIATIONS

- B.A. Geosciences, 2009, University of Southern Maine
- A.A.S. Architectural & Engineering Design, 2001, Southern Maine Technical College
- Geological Society of America

HIGHLIGHTS OF EXPERIENCE

Mr. William (Billy) Edgar is a Geologist I and Engineering Technician for Crede Associates with 10 years of professional experience in civil engineering design, land survey, mapping field work and instrumentation experience including: highway survey and bridge surveys; roadway survey and design, high-precision topographic and as-built surveys; mapping of geomorphic formations; residential subdivision survey and design; wastewater and storm water infrastructure design; civil and process piping design for wastewater and water treatment facilities as well as environmental assessment including Phase I site investigation. Mr. Edgar has complimented his field work and engineering design experience with the recent acquisition (2009) of a Bachelor's degree in Geosciences from the University of Southern Maine where he focused his studies in environmental geology, hydrology, and groundwater resources.

PAST PROJECT EXPERIENCE INCLUDES:

Land Survey

Mr. Edgar has extensive experience using a variety of land survey equipment including; survey and mapping grade GPS, conventional survey equipment, and robotic total station technology. He has performed several high accuracy surveys by determining positions and elevations of highway bridge structures, geomorphic and topographical features, and construction stake-outs for large municipal and commercial construction and subdivision projects.

Notable survey projects include:

- Sabattus River Bridge crossing Interstate-95, (Lewiston, Maine):* Survey of bridge and surrounding topography, bridge abutments, decking, roadway, and wetlands survey for complete bridge replacement.
- Washington Street (Rte 202) Bridge crossing Interstate-95, (Auburn, Maine):* Survey of bridge and surrounding topography, adjacent railroad, bridge abutments and seats, decking, and roadway.
- University of New England (Biddeford, Maine):* Topographical survey for dormitory expansion and roadway Improvements.
- Bath Iron Works (Bath, Maine):* Topographic and boundary survey for shipway redevelopment and yard expansion
- Ocean Avenue School (Portland, Maine):* GPS and Traverse control establishment for construction layout activities.

Engineering and design

Mr. Edgar also has experience working with civil and process engineers assisting in the engineering and design of municipal infrastructure upgrades, underground utility design, wastewater and water treatment facility upgrades, residential subdivisions, stormwater management and remediation plans, parking lot layout, and roadway layout and design.

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Notable projects include:

- *Sewer outfall extension along the RTE 89 corridor and the Grimes Rd (Limestone, Maine):* Engineering and design for 35,000 feet of gravity sewer and force main rehabilitation.
- *Sewer rehabilitation work for the Limestone Development Authority (Limestone, Maine):* Several stormwater and wastewater rehabilitation and remediation projects in and surrounding the former Limestone Air Force base.
- *Water and wastewater infrastructure improvements along Route 1 (Mars Hill, Maine):* 6,000 feet of wastewater and stormwater rehabilitation work along the Route 1 corridor in Mars Hill.
- *Town of Framingham, Massachusetts wastewater and water infrastructure improvements:* Engineering and design of failing wastewater and water utilities within an 11 street network in the town of Framingham.
- *Town of Manchester, Connecticut Wastewater and Solid Waste Treatment Facility upgrades (Manchester, Connecticut):* Stormwater permitting designs and calculations for major wastewater treatment plant upgrade, including the addition of several new buildings and tanks.
- *Ridgewood Estates Residential Subdivision (Falmouth, Maine):* Conceptual layout through final designs as well as stormwater management designs utilizing Maine DEP BMPs for 63-acre residential subdivision.
- *University of New England Campus Improvements (Biddeford, Maine):* Conceptual layout and design of four residence halls and athletic fields for campus expansion of Biddeford campus and the site design and landscape layout for the School of Pharmacy building on the Westbrook campus.
- *Somerset County Jail, (Skowhegan, Maine):* Civil site engineering, underground utilities and roadway design.
- *Falmouth Fire Department, Middle Road Fire Station expansion (Falmouth, Maine):* Parking lot layout and design for building expansion.

Environmental Project Experience

Environmental Site Assessments and Site Investigations

Mr. Edgar has assisted with Environmental Site Assessments for sites in Maine and New Hampshire. His responsibilities include performing Phase I investigations, conducting historical research, and writing reports that specify environmental liabilities. Investigation and long-term sampling activities conducted by Mr. Edgar have included pore water sampling; groundwater sampling; sampling for PCB contamination, data analysis and interpretation. Mr. Edgar is also responsible for the creation of site plans and figures utilizing AutoCad Civil 3D, Land Desktop and Map software as well as ESRI's ArcMap GIS based software.

Representative Environmental Projects Include:

- *Adams School Redevelopment, Portland, ME:* Project included writing a phase II report by summarizing and compiling subsurface investigations, reports and logs, analyzing laboratory results and creating graphical figures.
- *Former Gravel Pit, Kittery ME:* Phase I environmental site assessment.
- *Fairpoint Communications, Inc., Manchester NH:* Assisted in the sampling for PCB contamination.
- *Eastern Fine Paper, Brewer, ME:* Pore water and groundwater sampling as part of a long-term monitoring program.